

REMARKS

Reconsideration and entry of the above amendments and the following remarks are respectfully requested. Claims 1, 6, 9 and 14 have been amended. Claims 5, and 18 have been canceled. Thus, claims 1-3, 6-11, and 13-16 are pending.

Claims 1-3, 5-11, 13-16 and 18 stand rejected under 35 U.S.C. 103(a) as being unpatentable over Moskob in view of Blanchet. Claims 1 and 9 have been amended to obviate the rejection. In particular, each of claims 1 and 9 has been amended to recite a plastic cover structure that is over-molded to cover an entire surface of the printed circuit board, with a surface defined by the over-molded cover structure being completely exposed to atmosphere. Thus, the over-molded plastic defines a cover and no other cover or housing is required to cover the plastic. In Blanchet, resin is not over-molded to define a cover, but is injected into a housing 7 (see FIG. 6 of Blanchet). The housing 7, not resin, defines the cover and no surface of the resin is exposed to atmosphere as claimed. If the resin of Blanchet were employed in the structure of Moskob, the resin would be provided between the protective cover 31 and the circuit board 33. Again, the resin would not define a cover as claimed having a surface completely exposed to the atmosphere, since protective cover 31 would cover the resin. Thus, the claimed over-molded cover structure advantageously reduces part count since no outer cover is needed to cover the over-molded plastic.

Furthermore, with regard to claim 9, the claim as amended recites that the second portion of the housing is disposed completely outside of the motor housing. The printed circuit board is mounted solely with respect to the second portion of the housing. This structure is shown clearly in FIG. 1 and FIG. 3 of the application. The advantage of this structure is that circuit board is mounted with respect to the second portion of the housing which is disposed away from the heat generated by the armature and from dust generated by the brushes. In Moskob, the circuit board 33 is provided not only in the electronics portion of a housing, but also extends into another housing portion near the brushes 16 and armature 3. Thus, the circuit board 33 of Moskob is not mounted solely with respect to the second portion of the housing as claimed.

Thus, the rejection of claim 1 and 9, and the claims that depend there-from should be withdrawn.

All rejections having been addressed, it is respectfully submitted that this application is in condition for allowance and a Notice to that effect is earnestly solicited.

Respectfully submitted,

A handwritten signature in dark ink, appearing to read "Frank J. Nuzzi", is written over the typed name.

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